

**Amendments to the claims:**

1. (currently amended) A device for reducing the contamination of a sensor that is connected with a control unit, this connection including a voltage supply, a ground connection and a signal connection,

wherein switching means are provided that interrupt either the voltage supply or the ground connection, and wherein the control unit includes a software function that delivers the triggering signal for the switching means,

wherein the switching means for interrupting the voltage supply or the ground connection are located in the control unit and an evaluation unit of the sensor.

2. (canceled)

3. (canceled)

4. (previously presented) The device as recited in Claim 1, wherein the switch is a high-side switch that interrupts the voltage supply, or a low-side switch that interrupts the ground connection.

5. (previously presented) The device as recited in Claim 1, wherein the control unit is an engine control unit.

6. (currently amended) ~~The device as recited in one of the preceding Claims,~~  
A device for reducing the contamination of a sensor that is connected with a  
control unit, this connection including a voltage supply, a ground connection and  
a signal connection,

wherein switching means are provided that interrupt either the voltage  
supply or the ground connection, wherein the control unit includes a software  
function that delivers the triggering signal for the switching means,

wherein the sensor is a sensor in a motor vehicle[[,]] in the form of  
~~particular~~ a hot film air-mass meter, and the signal is a signal that represents an  
air mass, and

wherein the electronic control unit or the sensor evaluation circuit includes  
means for detecting contamination, and means for generating a triggering signal  
for the switching means to interrupt the voltage supply in the form of a processor  
with memory means and an associated software function.

7. (previously presented) The device as recited in Claim 1,  
wherein the sensor includes at least one sensor element and an evaluation  
device that is connected with the sensor element, in particular an evaluation  
circuit, the connection including at least one voltage supply, a ground connection  
and a signal connection.

8. (previously presented) The device as recited in Claim 1,  
wherein the electronic control unit or the sensor evaluation circuit includes means

for detecting contamination, and means for generating a triggering signal for the switching means to interrupt the voltage supply, in particular a processor with memory means and an associated software function.

9. (previously presented) The device as recited in Claim 1, wherein electronic, electrically operated biochemical, biotechnological or other types of sensors or sensor elements are used that communicate with a communication partner and report contamination and actively safeguard the sensors or sensor elements against contamination via the deliberate deactivation of sensor elements or parts thereof.

10. (previously presented) A method for reducing the contamination of a sensor that is connected with a control unit, with a device for reducing the contamination of a sensor that is connected with a control unit, this connection including a voltage supply, a ground connection and a signal connection, wherein switching means are provided that interrupt either the voltage supply or the ground connection, and wherein the control unit includes a software function that delivers the triggering signal for the switching means as recited in Claim 4,

wherein the software function evaluates the measurement signal delivered by the sensor and generates control signals S1, S2, S3 for the switching means based on specifiable parameters of the measured signal or on variables derived from the measured signal, and

wherein the software function detects a contamination of the sensor or contamination in the region of the sensor and generates the control signals as a function of this detection.

11. (canceled)

12. (currently amended) The method as recited in Claim 4 10, wherein the switch that has interrupted the power supply to the sensor is reset after a specifiable period of time, and the connection between the control unit and the sensor is restored.

13. (currently amended) The method as recited in Claim 4 10, wherein a hardware deactivation function is combined with a software function, the combination taking place such that the software function actively deactivates the switch – which is the hardware – such that, if a harmful media carry-in takes place during operation, this is detected by the sensor itself or by the control unit, and the sensor is deactivated.

14. (currently amended) The method as recited in Claim 4 10, wherein the sensor is deactivated during the after run of the electronic control unit via the opening of either the high-side switch or the low-side switch.

15. (currently amended) The method as recited in Claim 4 10, wherein the measured value is output as frequency (F1) with an on/off ratio TV1 and, if there is contamination, a default value (F2) is output with an on/off ratio TV2 that differs from on/off ratio TV1 of the frequency of the measured value in a specifiable manner.

16. (currently amended) The method as recited in Claim 4 10, wherein the measured value is output as frequency (F1) with a first pulse-width ratio and, if there is contamination, a default value is output with a second pulse-width ratio that differs from the first pulse-width ratio of the measured value in a specifiable manner.